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## ABSTRACT

Providing historical data on enrollment in the Virginia Community College System, this two-part report describes trends in enrollments and in minority student enrollment over the past decade. An introductory section reviews external factors influencing enrollment in Virginia, including revenue reductions, tuition increases, and the increasing student supply. Next, enrollment trends are described, including changes in the relationship of headcount to full-time equivalent students (FTES), course-taking patterns, student characteristics, first-time and returning student enrollments, and comparative tuition levels. This section indicates that 7 years of growth in FTES peaked in 1992-93, with 1993-94 FTES expected to decline; that the growth was due to increased enrollments in credit courses rather than increased numbers of students; and that from 1988 to 1993 enrollment in transfer programs increased from under 27,000 to 37,000. In part two, minority student enrollment is described for 1989-93, focusing on differences in enrollment by gender, student major, persistence and graduation, and financial aid eligibility for white, black, and other non-white groups. This section indicates that in fall 1989 white students accounted for 81% of enrollments, black students for 12%, and other groups for 7%, while in fall 1993, whites accounted for 76%, blacks for 15%, and other groups for 9%. Data tables by college are appended. (BCY)

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VIRGINIA COMMUNITY COLLEGE SYSTEM

ED 387 180

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## Trends in VCCS Enrollments

April 1994

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# **Trends in VCCS Enrollments**

## **Part I: A Review of Enrollment Trends**

## **Part II: Minority Student Enrollment**



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# **Part I**

## **A Review of Enrollment Trends**



Earl R. McHewitt  
Director of Research  
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National observers of higher education have reported that community college enrollments are down this past fall in many states. The current year (1993-94) marks the first time since 1985 that the VCCS has not experienced enrollment growth as measured in annual FTES. Factors typically linked with enrollment declines include the state of the economy and associated job growth, tuition increases, and reduced fiscal support for college operations.

### Economic Factors.

Because it is commonly agreed that community college enrollments are tied at least in part to economic conditions, recent enrollment changes for the VCCS may be better understood when viewed in terms of changes in the state's economy. Virginia's employment growth generally has mirrored U.S. trends, with slightly higher rates in Virginia for the 1980's. Employment growth peaked in 1985. Decreasing annual rates continued until 1990 and ended with actual job losses in 1991. As of 1993, the Virginia Employment Commission reports that job growth in Virginia is once again on the rise.

There appears to be some connection between these trends and VCCS enrollments. As job opportunities grew at lower rates, college enrollments increased. The current leveling of enrollments can be related to negative rates (job losses) in 1991 and 1992 and to a return to expanding rates for 1993 and 1994. The present expansion is expected to continue at much lower rates than that following earlier recessions -- about half the growth rate as in the 1980s. For example, jobs lost in 1990 and 1991 are not projected to be recovered until this year. This could mean that post-recession enrollment declines may be less likely or less severe for this cycle.

Real personal income changes in Virginia have followed a pattern much like that of job growth. Losses in real income occurred after 1990, and the current upturn is projected at a rate well below that of the 1980s. Again, the constrained recovery predicted for these and other factors may mean atypical enrollment changes for a recovery period. Unfortunately, lower rates of revenue growth than are typical for a recovery period also are predicted.

### Revenue Reductions.

For states with continuing economic woes, decreasing enrollments for fall 1993 have been attributed to state revenue reductions and tuition increases. Many states consider revenue reductions to have affected student access to higher education. The VCCS has absorbed recent decreases in General Fund support without a corresponding decline in number of course sections offered or the availability of support services to students.

### Tuition Increases.

Determining the correlation between tuition changes and community college enrollments is complex. At first glance, enrollments in the VCCS continued to grow despite tuition increases, but a leveling of enrollment growth occurred with the substantial increases of 1991 and 1992. It is likely that part of the difficulty in describing this relationship is the influence of factors in the broader environment. These factors may create important contextual effects. For instance, the effect of tuition increases in community colleges may be mitigated by even steeper increases at four-year institutions, or by the relative difference in price between two- and four-year institutions. Some of this may be apparent in recent VCCS enrollment patterns. It is consistent, for example, with the increasing proportion of traditional or typical college students in incoming classes and certain of the changes in student course-taking and retention patterns.

Changes in the economy, already mentioned, can also provide a context for defining relative cost. Successive tuition increases for the VCCS were the greatest in 1991 and 1992. For the same years, the annual changes in personal income and job opportunities were the lowest in over a decade. For Virginia, the shift of a larger share of instructional costs to students and their parents occurred at a time when the economy and public confidence in it were at their lowest levels in recent years. Some part of the enrollment decline for fall 1992 and 1993 could be due to this added influence.

The availability of financial aid also must also be considered when studying the relationship between tuition and enrollments. The number of financial aid programs available to VCCS students, the number of students participating in aid programs, and the total dollars available for financial aid all increased substantially over the past five years. Given the large percentage increase in tuition over this period, it may well be concluded that the increases in financial aid were the primary reason why enrollments did not fall precipitously with the rise in costs to students.

### Student Supply.

During the growth period (1988 to 1992), the largest group of incoming students possessed characteristics typically associated with traditional students. Generally, an increasing percentage were younger, were recent high-school graduates, selected university parallel programs, and enrolled for more course credits. The number of these "typical college students" who enroll in the fall is closely related to the number of graduates from Virginia's high schools the previous spring. Although the number who enroll each fall has declined slightly since the late 1980's, the VCCS has enrolled a constant share of spring graduates. A major upturn in graduates is projected to begin in this year, continue until 2008, and result in a 40+ percent increase over current

numbers. If the VCCS share remains the same (which has been the case since the semester conversion), then some significant growth is to be expected.

Correspondingly, fewer and fewer "non-traditional students" have been part of recent incoming classes. This is a little surprising given recent economic conditions. Looking at these same students -- but focusing on those who were continuing students -- indicates an important shift. Large numbers of these students have been taking more course credits and re-enrolling more often in subsequent terms and years. Generally, it appears that the credit-hour demand of non-traditional students has moved along the continuum slightly toward that of traditional students. Although these are slight and gradual shifts, the associated FTES increases are substantial because of the large number s of prior students who are continuing or re-enrolling each year. Nevertheless, as large as this pool of students might be, FTES growth associated with this pattern of increased course-taking and persistence would not be expected to continue indefinitely without reversing the downward trend in the numbers of these students first-enrolling each year.

Finally, it should be noted that a review of system wide enrollment patterns can mask clear relationships between external factors and enrollments that may exist for individual colleges or regions. In addition, the set of enrollment factors reviewed in this analysis may not include ones that are importantly related to enrollment changes at those data levels.

Two sections follow: Some observations on VCCS enrollment trends and changes, and a more detailed description of the data.



## Observations

The highest fall and annual FTES levels in system history were reached in 1992-93. It is now estimated that annual FTES for the VCCS will not increase in 1993-94. This follows seven consecutive years of growth. For fall enrollments, the trend is the same for FTES, but student numbers have declined the last two years. Unlike previous growth, neither of these FTES increases was accompanied by corresponding increases in the numbers of students enrolled.

The growth resulted primarily from changes in course-taking patterns, not from enrolling additional students. FTES, particularly annual, are produced much more efficiently now than in the mid '80's. In 1992-93, the VCCS enrolled annually about the same number of students as in 1986-87, but 1,000 fewer students were served for each 1,000 FTES generated.

Students changed their course-taking patterns. Student credit hour loads have increased consistently since the semester conversion, and this has been the case for students previously enrolled in the VCCS and for those first enrolling. Fall-to-spring retention rates have increased steadily over the period. In recent years, students who enroll in the fall are more likely to return for study in the spring. Both changes point to students being served more and more often.

Recently the VCCS student population has been characterized as including a larger number of "typical college students". As indicated above, students are carrying heavier loads, and other changes have occurred. For the first time, there are as many curriculum-placed students in transfer programs as in occupational-technical programs. For first-time students, a much higher percentage now selects university parallel programs than in 1988. For all students over this period, the increase in student numbers for the '24 and under' category was a few percentage points higher than the increase for the '25 and over' age group. Average age has dropped only for beginning students. Both mean and median ages have declined, with 50 percent being 19 or younger in fall 1993. Minority enrollments have increased steadily over the period and now account for nearly a fourth of fall enrollments.

Students first enrolling in fall 1993 are younger, take more course credits, and are more likely to enter transfer programs than in fall 1988. Consistent with these changes, spring graduates now make up a larger proportion of new students. Not as expected, the actual numbers of these students have declined since 1988.

More surprising perhaps are the consistent and substantial decreases for the entire category of first-time students, 20 percent since 1988. The decreases for recent high school graduates have not been as great as those for older students coming into the system. Compared to first-time students in 1988, 38 percent fewer students 25 and older enrolled in fall 1993.

Although there is some support for perceptions that entering classes include more traditional students, there is little support for the notion that these students accounted for significant portions of either the additional student enrollments or the more substantial FTES increases.

Rather, as mentioned above, substantial FTES growth resulted from increased credit hour loads and increased fall-to-spring retention for new and returning students. It is also clear that more and more students who attended classes in previous terms or years are returning for study -- a 22 percent increase for the period. Moreover, the numbers of students who enroll in consecutive years has increased by about the same rate. These are substantial shifts. Comparable fall-to-fall increases did not occur for first-time students.

## Description

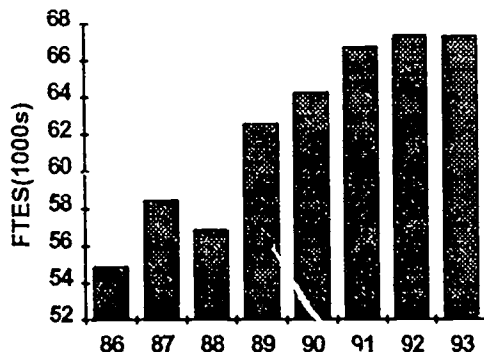
### *Enrollment Trends*

Enrollments for the fall term are lower than those for fall 1992. Both the number of students enrolled and the credit hours taken by them are slightly below last year's levels. This is the first time that fall FTES has not increased since the semester conversion in 1988. Fall headcount decreased for the first time last year over this same period.

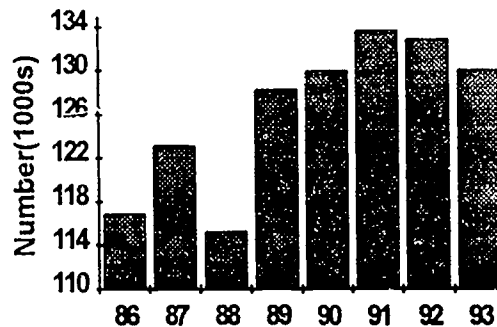
Estimates for 1993-94 now expect annual FTES for the VCCS to be at or slightly below that of 1992-93. This leveling follows seven consecutive years of growth.

These trends and the changes in 1993 are presented below.

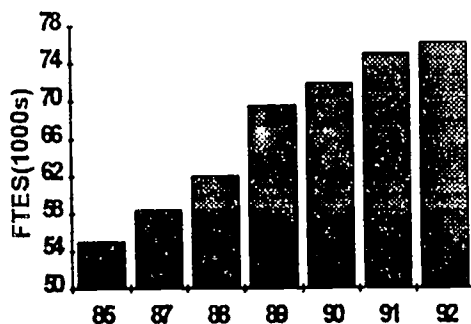
Fall Term FTES



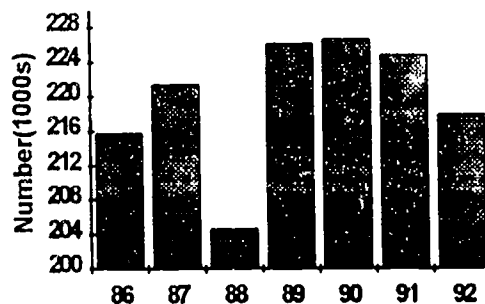
Fall Term Headcount



Annual FTE



Annual Unduplicated Headcount

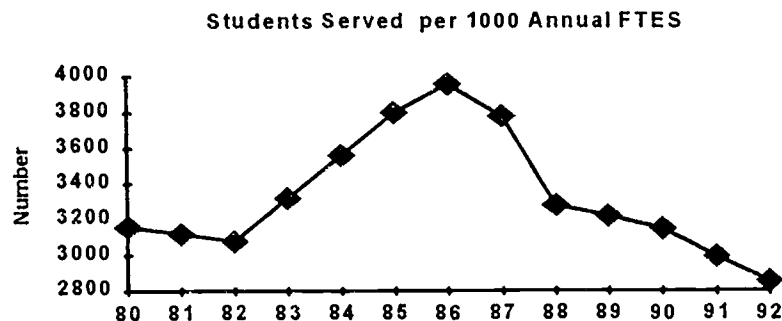


### *Changes in the Student Headcount-FTES Relationship*

Comparing the headcount and FTES graphs suggests that this growth was different than that of earlier periods. For fall , headcount grew by more than 10 percent, but FTES increased at twice the rate. For the annual data, FTES growth approached 40 percent over the period, but headcount increased by only a few percent. Substantial growth occurred without corresponding increases in the number of students enrolled.

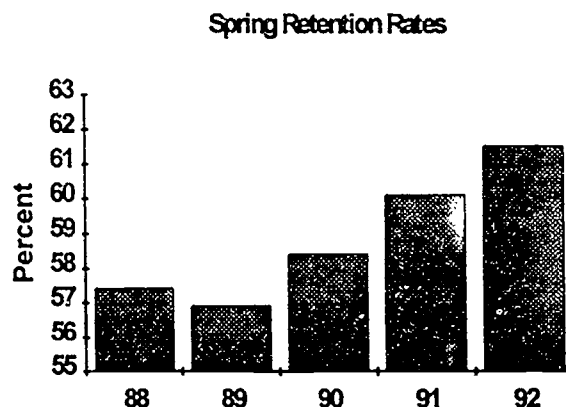
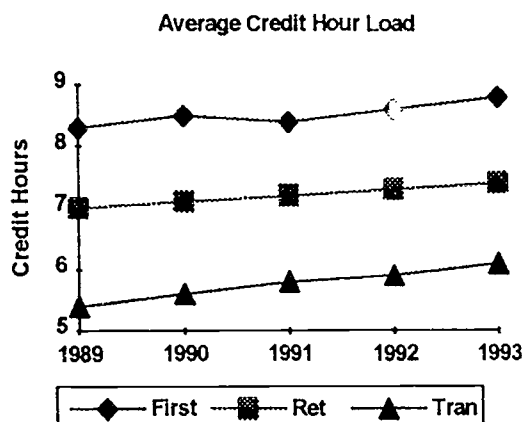
The relationship between the number of students enrolled and how many student credit hours or FTES are generated had been fairly stable. Two to three students per annual FTES has been the norm, with the shift from two to three requiring about a decade, roughly 2.0 in 1970, 2.5 in 1975, and 3.2 in 1980. This has meant that additional students, in increasing numbers, have been associated with FTES growth.

The graph below shows how this relationship has changed. During the enrollment decline in the early 80's, headcount increased and FTES declined for some years. By 1985, many more students, approximately 4000, were required to produce 1000 FTES than in 1980. The present growth period began with the reversal of this trend in 1986. For the last year completed, this ratio is at its lowest level in nearly twenty years.



### *Changes in Course-Taking Patterns*

Changes in the student-to-FTES ratio suggest that students have been enrolling for more course credits and have been returning for coursework in the spring at higher rates. Both sets of data for the last five fall terms follow. The graphs show that this has been the case.



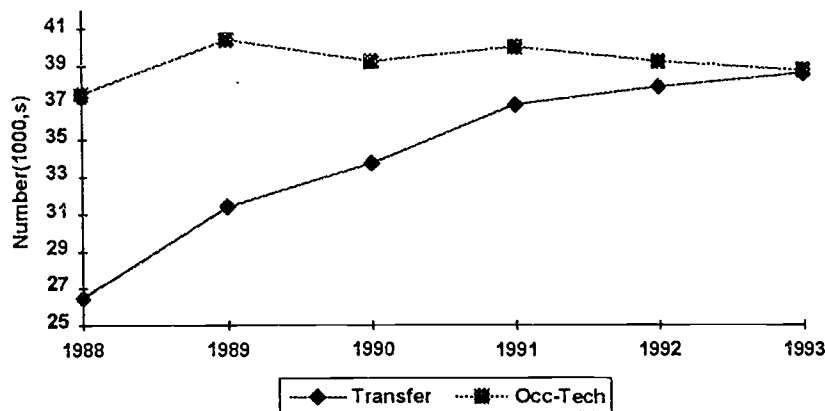
Note that small changes are significant. An average load increase of .01 yields roughly 1,000 FTES. For fall-to-spring retention, an additional 1,000 students would be enrolling in the spring with just over a 1 percent increase. It is interesting that the increases in average load for first-time(First) students are not greater. The increases do not differ greatly from those for students classified as returning(ret) or transfer(tran). While this suggests that there was not a large, sudden increase in new full-time students, numbers of students taking 12 or more credits have increased. Increases in the percentage of full-time students have mirrored exactly the trend for headcount-to-FTES ratios presented above. The percentage decreased through the 70's and early 80's reaching its lowest level in 1985. It has increased each year since, and the percentage for fall 1993, 28 percent, is the highest in a decade. Their number has increased by about 9,000 since the upturn.

Without attempting to partition the growth, it is clear that student course-taking patterns have been as important as enrolling additional students was for earlier growth.

#### *Changes in Student Characteristics*

Recently, the VCCS student population has been characterized as including more students who are enrolling sooner after high school graduation, taking more courses, and majoring in transfer programs. As described above, students are taking more credit hours per term. Looking at the growth that did occur for fall term enrollments over the period, did increases for the period represent mainly new students of the above type or other changes? Information on these and other characteristics is presented below.

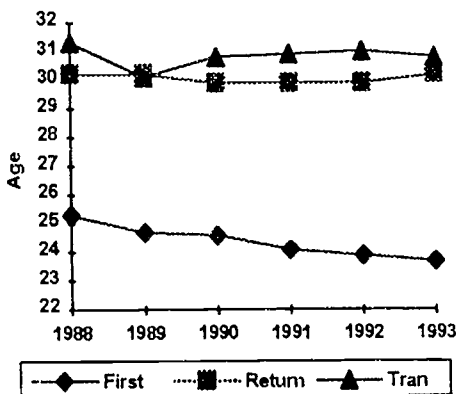
Program Enrollments, Fall Terms



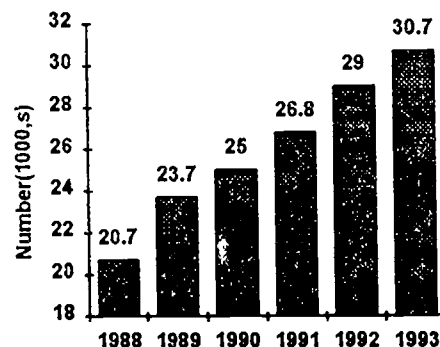
Clearly, more students have been entering transfer programs. For the first time, curriculum-placed students are as likely to be in transfer as in occupational-technical programs. Comparing only first-time students, a much higher percentage enrolled in transfer programs in Fall 1993 than in Fall 1988.

The graph below displays average age by student status. First-time students have been getting younger, a 1.5 year decrease since 1988. Their median age has dropped from 20 to 19 years. Students transferring into the VCCS are no younger in 1993 than in 1988. For returning students, average age has not yet dropped. For all students combined, the increase since 1988 in the number of students in the 'under 25' age group was only slightly higher than that for the 'over 25' category. Percentage growth has been more substantial for the younger group.

Average Age, Fall Terms



Minority Enrollments, Fall Terms

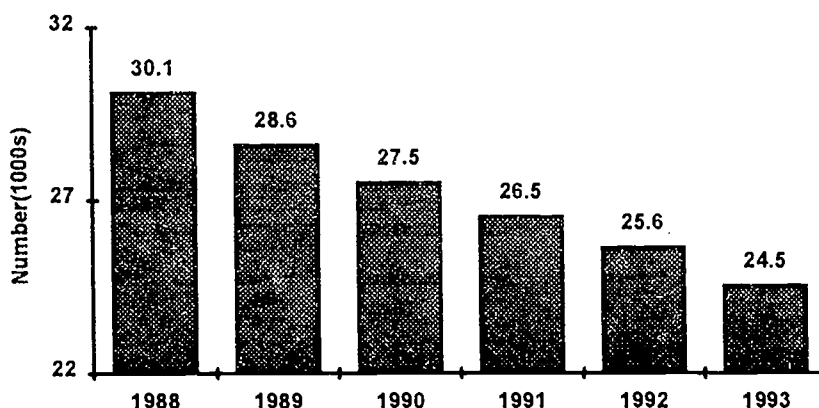


Minority enrollments have grown steadily and substantially, equaling a large part of the fall enrollment increases.

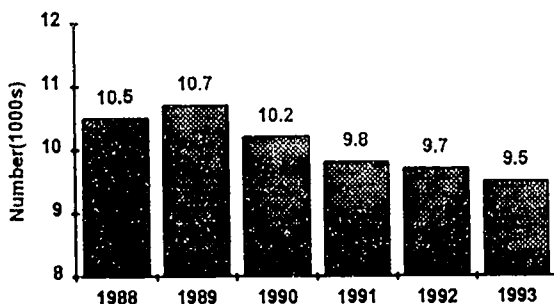
### First-time Student Enrollments

Students first enrolling in the VCCS in fall 1993 are younger, enroll for more course credits, and are more likely to enter a transfer program and belong to a minority group than in fall 1988. This is consistent with college statements that they are serving increasing numbers of traditional students. Additional information on the numbers of these students and their flow from high school follows.

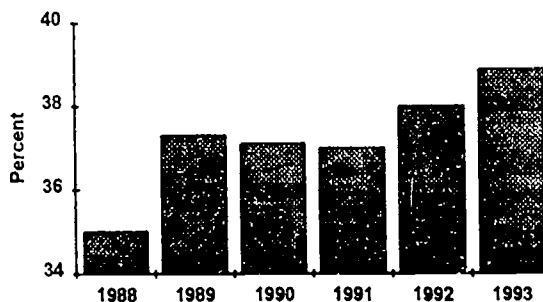
Students Enrolling for the First Time, Fall Terms



Spring Graduates Enrolling Fall Term



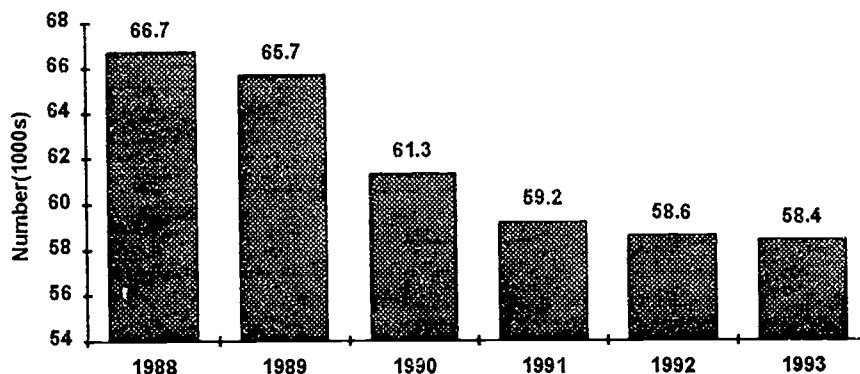
Spring Graduates as a Percentage of First-Time Students, Fall Terms



The top graph shows that the number of first-time students has decreased substantially and consistently over the growth period. The lower left chart shows that the numbers of first-time students who graduated from high school that spring did not decline as rapidly. The third chart combines the data of the other two and shows that spring graduates make up an

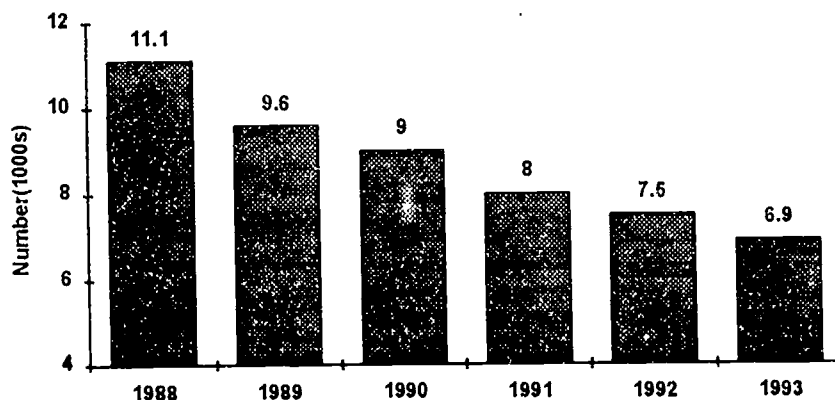
increasingly larger share of fall first-time enrollments. The decreases in actual numbers of spring graduates who enrolled the same fall correspond to recent declines in the number of students graduating from Virginia's high schools. The percentage decline for graduates is comparable to that for graduates enrolling in the fall.

Virginia's High School Graduates



Based on these data, there is support for impressions that the number of new students enrolling in the fall includes a larger proportion of traditional students than in past years. As clearly, they show that fewer and fewer new students have been enrolling in the VCCS, and the number of older, first-time student numbers has been dropping at even a higher rate. The following chart presents the number of first-time students 25 years of age and older. Less than 7,000 enrolled in Fall 1993.

Students 25 and Older Enrolling for the First-time, Fall Terms

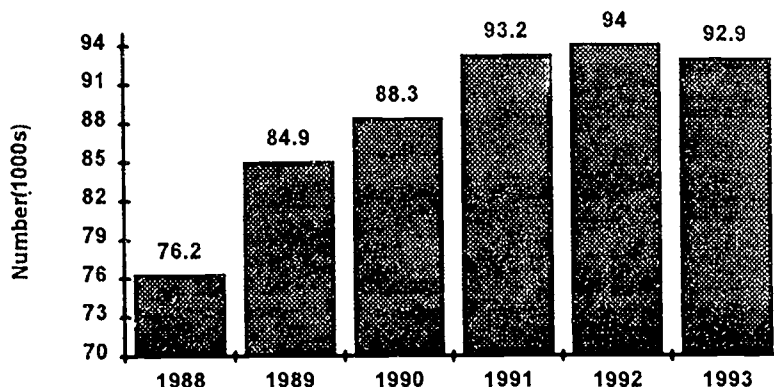




### *Returning Student Enrollments*

If the number of new students has been declining each year, what has been the source of the additional fall term enrollments? Increased student loads described above have certainly been part of the answer for fall FTES. The lesser, yet substantial, increases in fall headcount are due to increases in the numbers of prior students returning for fall study. Of the 130,037 students enrolled fall 1993, 92,880 had been enrolled previously in the VCCS. This is a 23 percent increase over the Fall 1988 number. As a proportion of total enrollments, there are 6 more returning students per 100 this fall than in 1988. Students in this category for the last 6 fall terms are shown below. As may be seen, actual numbers increased each year until 1993. Returning students as a percentage of total enrollments has increased each year, including 1993.

Returning Students, Fall Terms

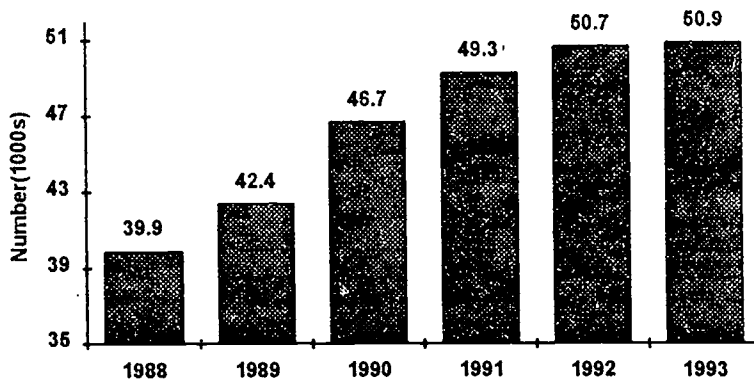


### *Changes in Returning Student Enrollment Patterns*

It is well known that many community college students re-enroll or return for classes over long periods of time. Not enrolling in consecutive terms or years has been one of the features attributed to non-traditional students. Some VCCS studies have shown that 5 percent of a beginning group were taking courses more than 10 terms later. As a result, the returning category is often characterized as a large pool of students with varied within- and between-year enrollment patterns. The description of annual FTES changes, page 3, showed that the number of fall students who return in the spring has been increasing, a within-year change. The data below show a shift in a between-year pattern. The number of fall students classified as returning who were enrolled the previous fall is presented below for each fall term since 1988.



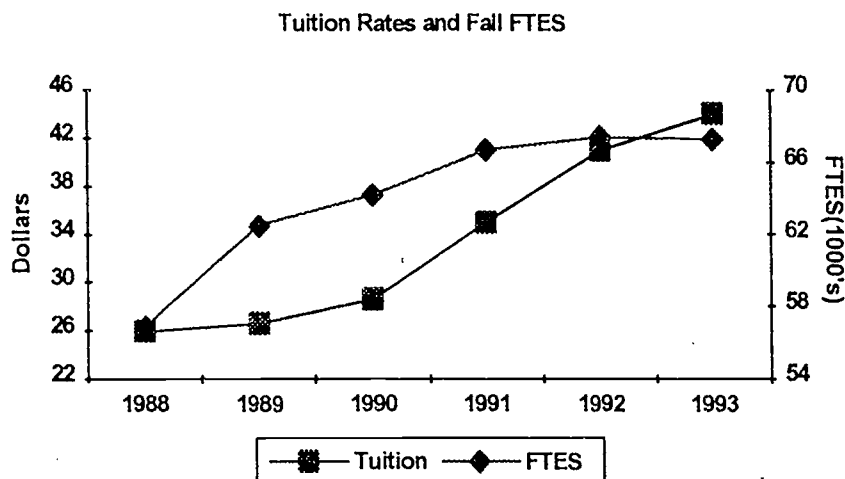
Students Enrolling in Consecutive Fall Terms



The graphs show that throughout the growth period, the number of additional students in the returning category has equaled the increases in fall headcounts, and more and more of these students have been enrolling in consecutive years. The possibility that although first-time students are declining, larger numbers of them now enroll in consecutive years was examined. On a percentage basis, there have been slight increases for all first-time students and for full-time, first-time students. The actual numbers of new students who continue study the next fall have dropped slightly.

#### *Tuition Levels*

The per credit hour rates for in-state students are presented below for each year since the shift to a semester calendar. Fall FTES are repeated as well. Over this period, tuition increased by about 70 percent, increasing at a higher rate than FTES. As may be seen, the largest tuition increases are associated with decreased rates of FTES growth. This simple comparison suggests some degree of a relationship. As is often the case, the relationship is difficult to describe completely. Part of this difficulty may be due to other factors in the broader environment. For example, relative cost at other institutions and conditions of the economy could also play a role in establishing effective cost levels for students. It is not likely that increases in VCCS tuition per se completely establish effective or functional costs.



This review points to several enrollment indicators that bear watching. The numbers of new students entering the system are important, particularly with the recent declines for non-traditional students. In this regard, it will be interesting to see if projected levels of high school graduates are realized and if corresponding changes occur for the numbers of spring graduates enrolling in the fall. Whether or not minority participation rates continue to increase needs to be monitored.

How many prior students return or continue is important as is information about their pattern of enrollment, persistence, and credit hour loads. Recent changes suggest that the enrollment potential of this large group is expanding, but other indicators (e.g., new students) suggest that it may have been diminished in recent years.

Of course, changes in the broader environment remain important. The course of the current economic recovery will play some role, directly or indirectly, in setting ranges of change for job opportunities, tuition rates, and financial aid. While the connections with enrollments are difficult to describe, major shifts are often accompanied by enrollment changes.

National observers of higher education have reported that community college enrollments are down this past fall in many states. The current year (1993-94) marks the first time since 1985 that the VCCS has not experienced enrollment growth as measured in annual FTES. Factors typically linked with enrollment declines include the state of the economy and associated job growth, tuition increases, and reduced fiscal support for college operations.

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## **Part II**

### **Minority Student Enrollment**



Earl R. McHewitt  
Director of Research  
Academic Services & Research

Anne-Marie McCartan  
Vice Chancellor of  
Academic Services & Research

## MINORITY STUDENT ENROLLMENT IN THE VCCS

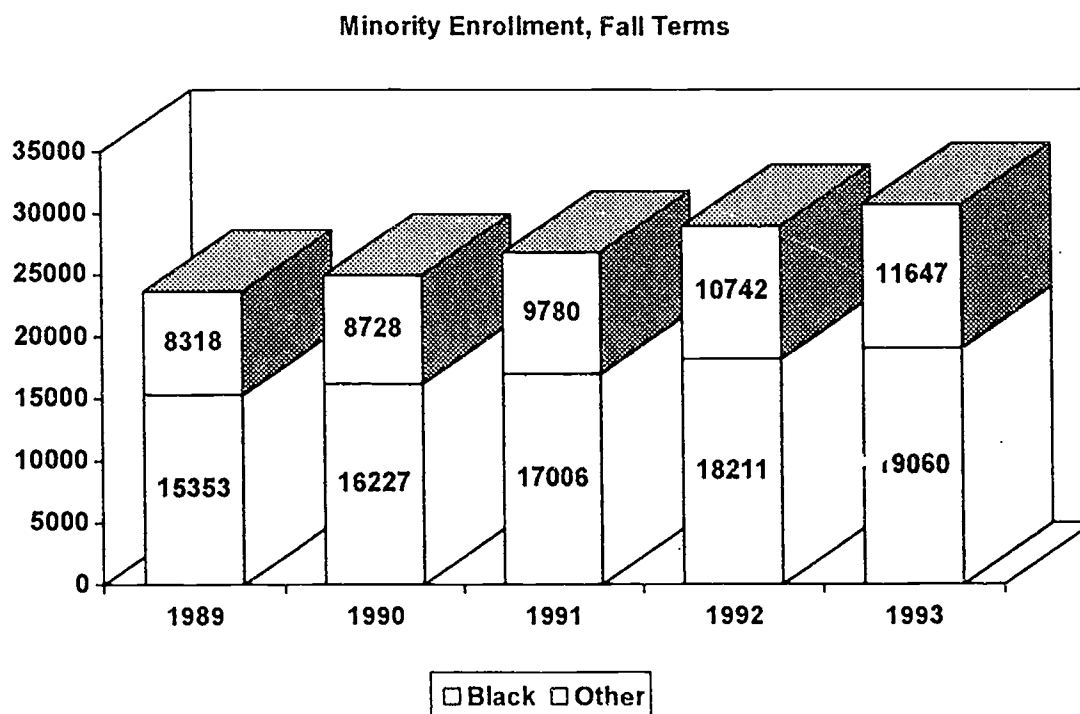
Throughout the history of the Virginia Community College System, the percentage of non-white students in the system has hovered around 15-18 percent. In the last five years, this statistic has changed dramatically. By fall 1993, 24 percent of the 130,037 students taking courses in community colleges were minority. This represents an increase of 7,036 in the number of black and other-race students who enrolled in the fall term over 1989.

As the following charts illustrate, much of the percentage increase is due to substantial gains in enrollment of other-race students. This trend mirrors national enrollment increases in community colleges for Asian, Hispanic, and other minority groups. For the VCCS, Asian and Spanish-surname students comprise over 80 percent of the other-race category.

This report also describes differences in enrollment by gender, student major, student persistence and graduation, and financial aid eligibility for the three categories of students.

## ENROLLMENT GROWTH

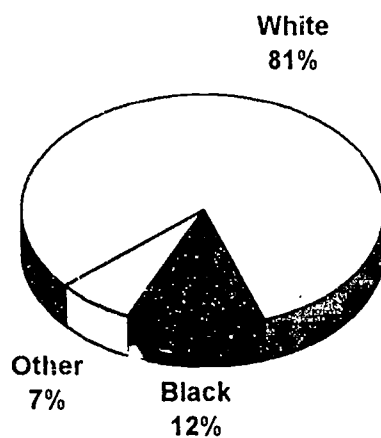
The number of black and other nonwhite students has grown steadily over the last five years, increasing thirty percent from Fall 1989 to Fall 1993.



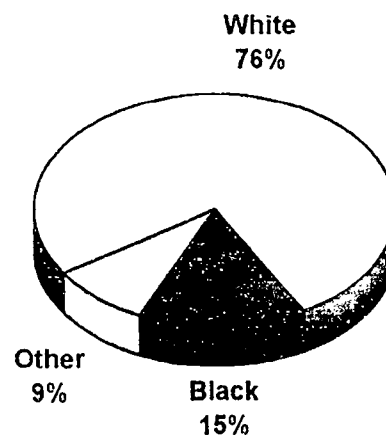
## STUDENT BODY COMPOSITION

One in every five to six students was nonwhite in 1989. For Fall 1993 nearly one in four is nonwhite. The combined percentage for minority students is 24 percent in 1993. This is greater than the minority share of the age 18 and over population in Virginia, which was 21 percent in 1993.

Fall 1989 Headcount

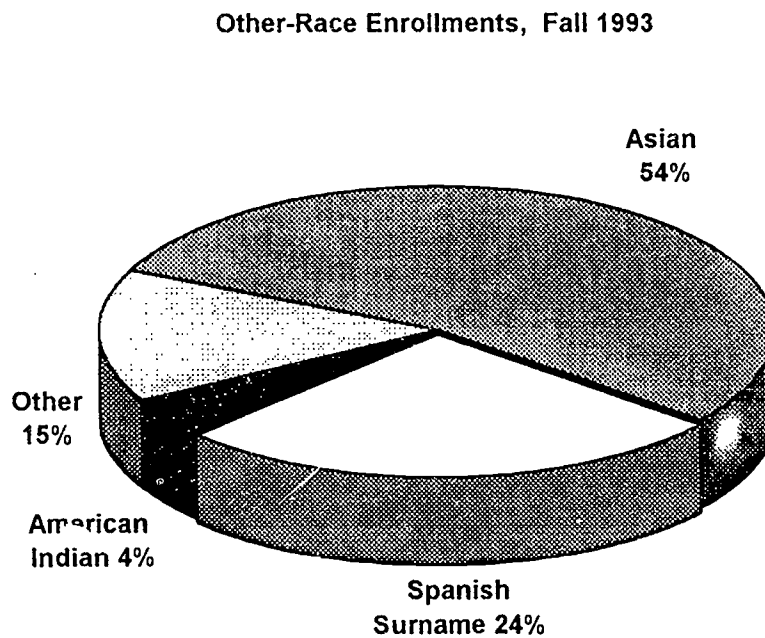


Fall 1993 Headcount



## RACIAL/ETHNIC CATEGORIES OF OTHER-RACE STUDENTS

For fall 1993, Asian and Spanish-surname students make up over 80 percent of the enrollments classified as other-race. The minority enrollment increases of recent years have been comparable across the four categories.

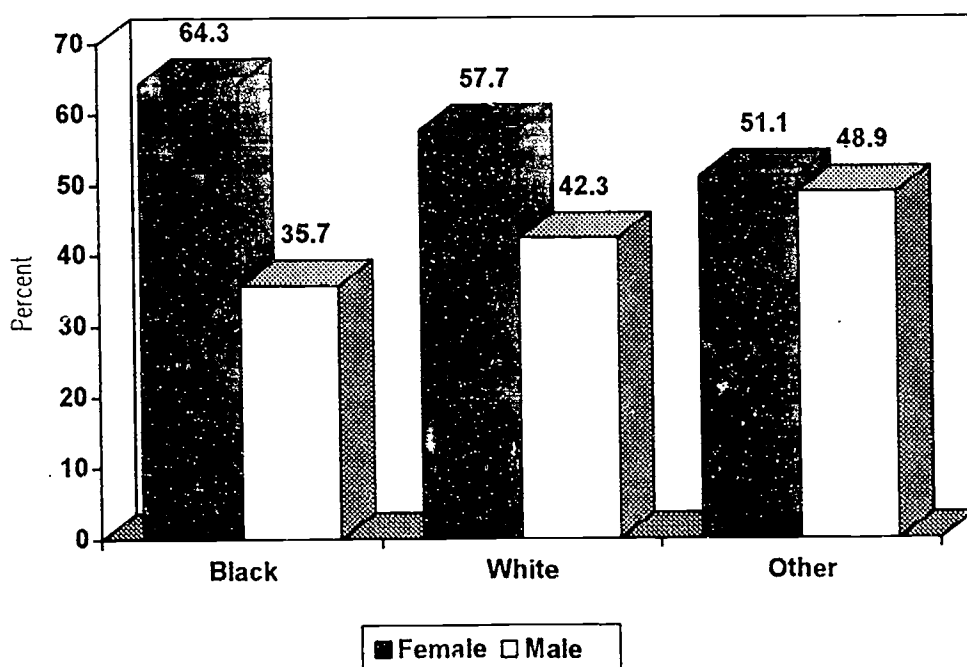




## GENDER

Enrollment by gender differs greatly for the three groups. Women comprise 58 percent of white student enrollments but 64 percent of black student enrollment. Other-race males enroll in about equal proportion to females.

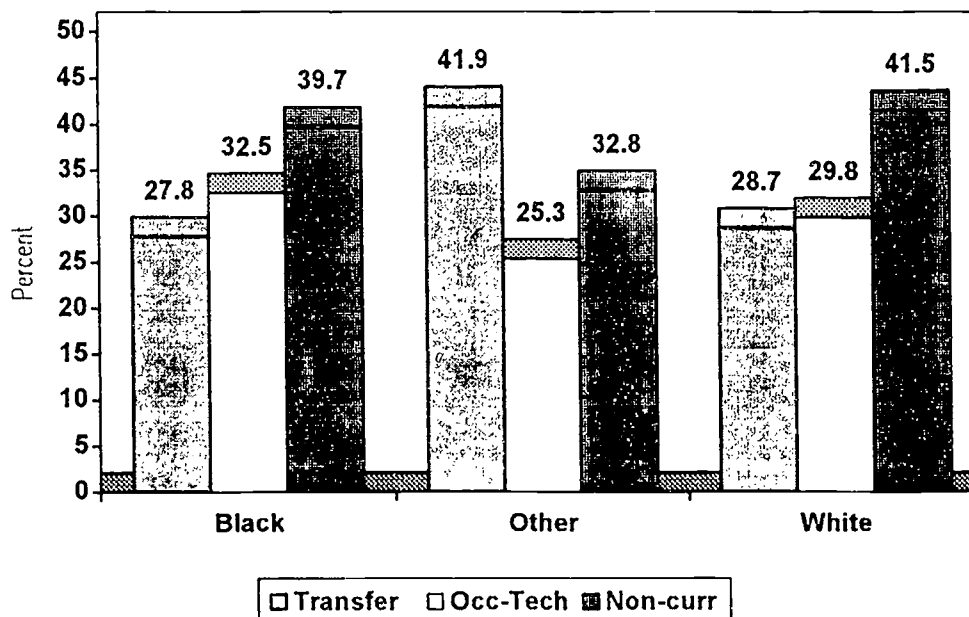
Gender by Race, Fall 1993



## STUDENT MAJOR

The percentage of students in each of the major program areas is about the same for black as for white students, although program-placed black students are slightly more likely to be in occupational-technical programs and white students in transfer programs. The placement of other-race students is different. A higher percentage of these students have entered a curriculum, and, of those in programs, they are much more likely to be in transfer programs.

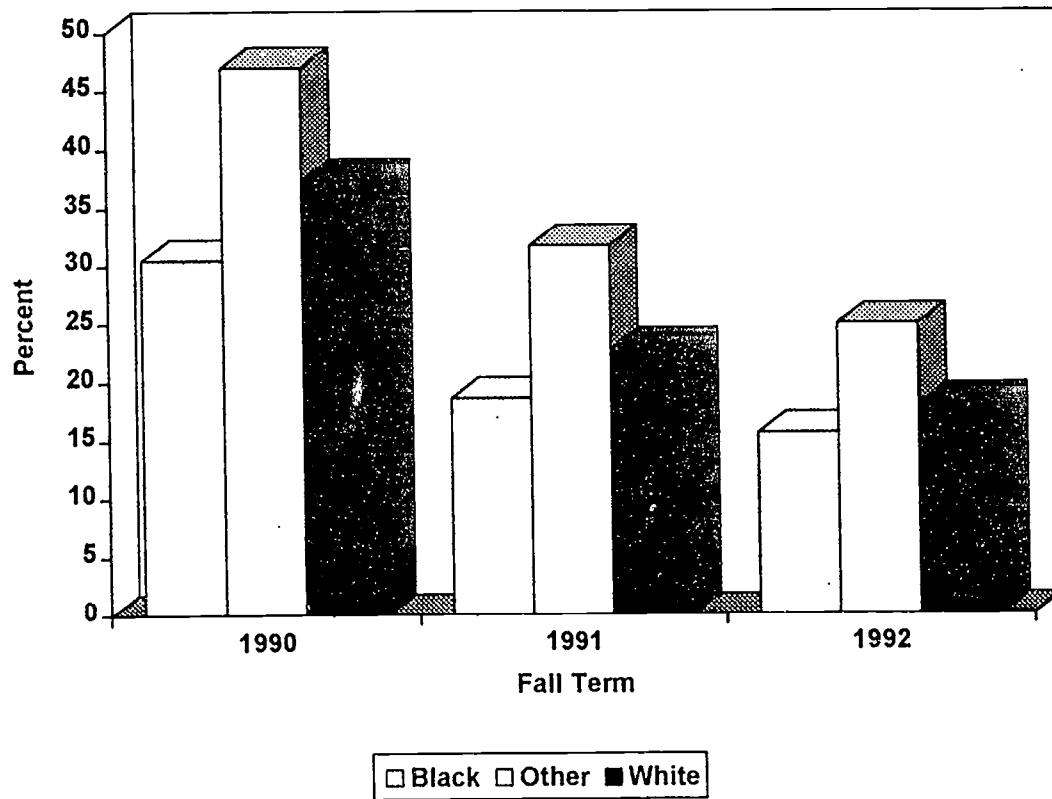
Race by Program, Fall 1993



## STUDENT PERSISTENCE

For students first enrolling in Fall 1989, other-race students have by far the highest retention/completion rates. This is true for the first, second, and third years after initial enrollment. White students persist at substantially higher rates than black students initially, but this difference is much less after three years.

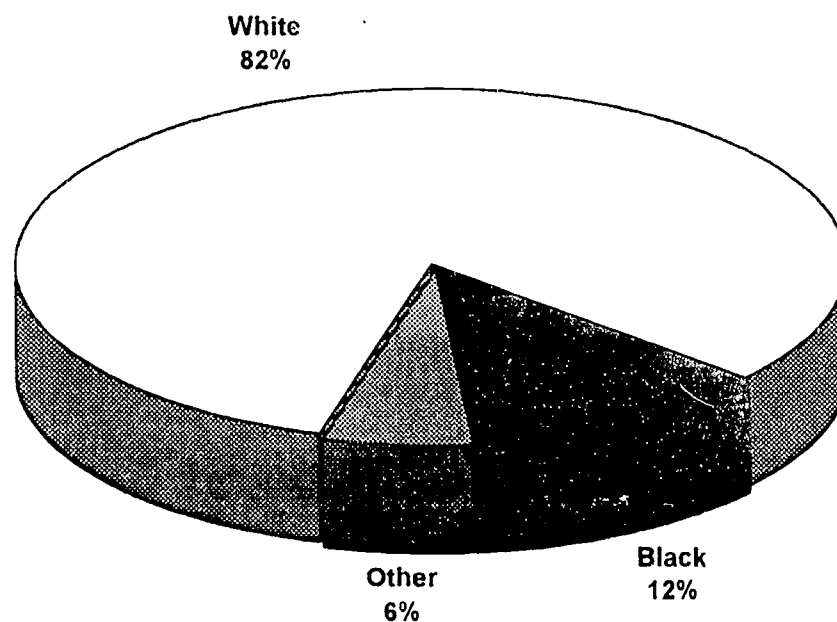
Percentage Returning or Graduating



## GRADUATES

Looking at last year's graduates, the percentage of minority graduates is below the current enrollment share for minority students. The percentages for black and other race students mirror the enrollment percentages during the range of years that most 1992 graduates would have started study. Increases in non-white graduates would be expected over the next few years because of the higher numbers of minority students now enrolled.

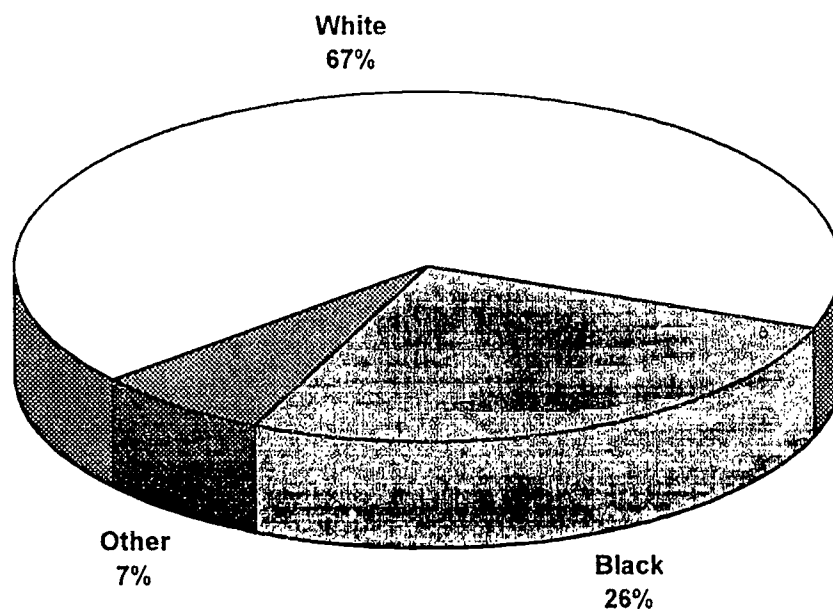
Graduates in 1992-93



## FINANCIAL AID

The racial/ethnic distribution is different among financial aid recipients. Non-whites make up 24 percent of total enrollments but receive 33 percent of financial aid awards. For black students, the award share exceeds the total enrollment share by more than 10 percentage points.

Financial Aid Awards, 1992-93



Nearly one in four is nonwhite. The combined percentage for black and other race students is 24 percent in 1993. This is greater than the nonwhite share of the age 18 and over population in Virginia, which was 21 percent in 1993.

COLLEGE DATA

Fall 1993 Enrollments by Race and Sex

COLLEGE	SEX									
	FEMALE					MALE				
	RACE					RACE				
	AM IND	BLACK	ORIENT-AL	SPAN	WHITE	AM IND	BLACK	ORIENT-AL	SPAN	Total
	N	N	N	N	N	N	N	N	N	N
BLUE RIDGE	2	45	7	2	11	1611	3	21	9	2630
CENTRAL VIRGINIA	3	335	17	13	4	1766	3	195	7	3886
D. S. LANCASTER	6	45	1	2	4	821	.	53	2	1490
DANVILLE	3	567	7	3	5	1407	5	288	4	3527
EASTERN SHORE	.	200	1	.	3	328	.	41	.	683
GERMANNA	7	170	12	9	28	1538	1	52	19	2533
J. S. REYNOLDS	31	1741	117	64	44	3758	20	888	128	9732
JOHN TYLER	4	623	24	100	29	2634	.	343	37	5453
LORD FAIRFAX	7	78	8	3	12	1882	1	36	6	2958
MOUNTAIN EMPIRE	1	16	4	1	.	1585	.	14	2	2488
NEW RIVER	.	92	15	2	6	1700	4	72	14	3455
NORTHERN VA.	103	2527	2181	490	1194	13796	71	1770	2200	37477
PATRICK HENRY	3	284	4	3	2	1232	5	134	3	2455
PAUL D CAMP	1	374	4	3	3	646	2	148	4	1545
PIEDMONT VA.	3	347	42	22	22	2193	3	139	38	4206
RAPPANNOCK	4	299	5	6	4	980	6	74	3	1830
SOUTHSIDE VA.	2	816	5	6	2	1170	7	471	4	3240
SOUTHWEST VA.	4	30	3	3	6	2182	.	40	2	4358
THOMAS NELSON	20	1496	103	70	72	2789	22	720	106	7828
TIDEWATER	59	1747	462	122	198	7252	24	1079	574	17511
VA. HIGHLANDS	1	36	1	.	3	1159	3	21	.	2040
VIRGINIA WESTERN	9	354	46	16	11	3212	6	153	50	6212
WYTHEVILLE	1	37	5	3	2	1629	1	49	2	2500
VCCS	274	12259	3074	943	1665	57270	187	6801	3216	130037



Fall 1993 Enrollments by Race and Program

	RACE														
	BLACK					OTHER					WHITE				
	B/C	NONCURR	O/T	B/C	NONCURR	O/T	B/C	NONCURR	O/T	B/C	NONCURR	O/T			
COLLEGE															
BLUE RIDGE	16	29	21	14	19	8	660	1150	713						
CENTRAL VIRGINIA	68	341	121	10	35	9	647	1716	939						
D. S. LANCASTER	11	72	15	1	13	4	123	786	465						
DANVILLE	44	637	174	.	26	9	223	1802	612						
EASTERN SHORE	38	167	36	1	4	.	107	276	54						
GERMANNA	71	71	80	30	43	17	779	811	631						
J S. REYNOLDS	117	1938	574	32	354	79	382	5028	1228						
JOHN TYLER	103	541	322	39	167	85	591	2459	1146						
LORD FAIRFAX	36	42	36	19	25	7	871	1181	741						
MOUNTAIN EMPIRE	9	3	18	2	4	3	996	380	1073						
NEW RIVER	41	46	77	18	35	6	714	1191	1327						
NORTHERN VA.	1890	1073	1334	3690	2114	2018	9819	8324	7215						
PATRICK HENRY	65	167	186	3	11	10	344	715	954						
PAUL D CAMP	230	92	200	9	8	6	328	436	236						
PIEDMONT VA.	182	188	116	70	65	16	1228	1785	556						
RAPPAHANNOCK	31	217	125	2	29	5	206	933	282						
SOUTHSIDE VA.	280	418	589	20	13	11	360	836	713						
SOUTHWEST VA.	26	29	15	10	13	6	956	1485	1818						
THOMAS NELSON	960	287	969	216	120	182	2238	968	1888						
TIDEWATER	934	940	952	628	635	430	4689	4827	3476						
VA. HIGHLANDS	12	6	39	3	2	6	387	482	1103						
VIRGINIA WESTERN	122	221	164	57	72	29	1624	2263	1660						
WYTHEVILLE	4	59	23	5	10	5	190	1387	817						
VCCS	5290	7584	6186	4879	3817	2951	28462	41221	29647						

Fall to Fall Retention of Fall 1989, First-time Students  
Graduates Also Counted as Returning

FALL 89	RACE															
	WHITE								BLACK							
	Coho- rt	FA90	FA91	FA92	rt	FA90	FA91	FA92	Coho- rt	FA90	FA91	FA92	rt	FA90	FA91	FA92
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COLLEGE	603	252	123	44	20	10	2	1	3	0	0	0	0	0	0	0
BLUE RIDGE	764	205	147	30	108	20	11	0	16	8	2	1	1	1	1	1
CENTRAL VIRGINIA	414	164	96	39	20	4	1	0	4	2	0	0	0	0	0	0
D. S. LANCASTER	700	372	171	89	205	89	42	17	7	4	0	0	0	0	0	0
DANVILLE	142	45	25	7	43	15	10	0	0	0	0	0	0	0	0	0
EASTERN SHORE	532	206	119	43	47	25	7	3	6	3	3	0	0	0	0	0
GERMANNA	1744	603	342	32	569	204	124	12	100	35	28	6	6	6	6	6
J. S. REYNOLDS	843	251	158	16	302	58	36	5	129	19	9	1	1	1	1	1
JOHN TYLER	691	246	128	37	25	8	6	1	7	2	1	1	1	1	1	1
LORD FAIRFAX	877	320	216	60	18	3	0	0	1	0	0	0	0	0	0	0
MOUNTAIN EMPIRE	681	239	164	51	38	11	8	2	8	1	0	0	0	0	0	0
NEW RIVER	4635	1951	1278	151	585	209	140	18	1161	627	435	69	69	69	69	69
NORTHERN VA.	395	152	84	14	56	7	5	1	1	0	0	0	0	0	0	0
PATRICK HENRY	220	73	42	11	129	48	23	8	5	1	1	0	0	0	0	0
PAUL D CAMP	685	227	154	23	95	20	9	1	24	9	4	0	0	0	0	0
PIEDMONT VA.	443	123	68	36	81	27	11	6	2	0	0	0	0	0	0	0
RAPPAHANNOCK	527	171	85	23	373	85	66	11	12	6	4	2	2	2	2	2
SOUTHSIDE VA.	1142	341	194	47	12	3	1	0	3	0	0	0	0	0	0	0
SOUTHWEST VA.	1092	424	294	52	361	131	86	16	61	23	15	3	3	3	3	3
THOMAS NELSON	3056	1135	710	97	511	132	91	24	283	126	87	10	10	10	10	10
TIDEWATER	606	251	131	49	27	7	7	2	2	1	0	0	0	0	0	0
VA. HIGHLANDS	1317	531	329	66	164	40	19	4	28	10	2	0	0	0	0	0
VIRGINIA WESTERN	499	168	86	28	6	2	1	1	2	0	0	0	0	0	0	0
WYTHEVILLE	22608	8450	5144	1045	3795	1158	706	133	1865	877	591	93	93	93	93	93
VCCS																

TABLE 6C  
NUMBER OF GRADUATES BY RACE AND SEX  
1992-93

GRD522

## FEMALE

## MALE

COLLEGE	MALE					FEMALE								
	WHITE	BLACK	AMERICAN INDIAN	ASIAN	HISPANIC	OTHER	TOTAL	WHITE	BLACK	AMERICAN INDIAN	ASIAN	HISPANIC	OTHER	TOTAL
BRCC	95						95	193	3					196
CVCC	160	10		1			171	199	24	1				224
DSLCC	72	2					74	108	7					115
DCC	170	20			1	1	192	176	110	1	1			288
ESCC	25	9					34	24	9			1		34
GCC	69	1				1	71	158	13		1			173
JSRCC	175	39		6	3	3	226	297	145	2	5	3	6	428
JTCC	100	35		4		5	144	140	41	1	4	3	4	193
LFCC	97			1	1		99	157	5		1			163
MECC	59						59	200	4					224
NRCC	168	6		1			175	214	6	1				221
NVCC	804	92	3	117	62	19	1097	1028	138	5	122	58	25	1376
PHCC	144	11		1			156	123	26	1	1			151
PDCCC	54	17			1		72	56	43				1	102
PVCC	78	4		3	1		86	124	18		3			146
RCC	57	3		2		1	63	154	36					190
SSVCC	69	24				1	94	125	66					191
SNVCC	133	1					134	292	1			1		294
TNCC	200	35	1	8	4	1	249	257	111	2	7	5	7	382
TCC	531	71	2	41	10	13	668	647	132	2	45	18	5	849
VHCC	103	2					105	172	6		2	1		181
VNCC	187	5			1	2	195	305	19	1	2			327
WCC	84						84	213	4					217
VCCC	1634	387	6	185	84	47	4343	5364	967	17	194	91	49	6682

# NUMBER OF FINANCIAL AID AWARDS BY RACE, 1992-93

	<u>Black</u>	<u>Other</u>	<u>White</u>	<u>Total</u>
Blue Ridge	26	13	476	515
Central Virginia	155	3	489	647
Dabney S. Lancaster	84	7	563	654
Danville	344	5	508	857
Eastern Shore	103	2	93	198
Germanna	56	17	299	372
J. Sargeant Reynolds	1367	155	969	2,491
John Tyler	370	31	660	1,061
Lord Fairfax	59	10	589	658
Mountain Empire	45	6	2,024	2,075
New River	87	18	1,128	1,233
Northern Virginia	494	1,239	1,087	2,820
Patrick Henry	239	8	484	731
Paul D. Camp	369	15	235	619
Piedmont Virginia	158	35	528	721
Rappahannock	177	5	285	467
Southside Virginia	890	16	616	1,522
Southwest Virginia	75	10	2,139	2,224
Thomas Nelson	1,317	136	1,140	2,593
Tidewater	1,065	311	2,301	3,677
Virginia Highlands	50	8	1,014	1,072
Virginia Western	218	38	1,378	1,634
Wytheville	39	10	933	982
VCCS	7,787	2,096	19,940	29,823

**UTILIZATION OF ON-SITE SPACE  
CREDIT AND NON-CREDIT INSTRUCTION  
FALL 1994, EXTENDED DAY  
HEAVY LAB**

**WEEKLY ROOM USE HOURS**

College	SCHEV Standard	Credit Instruction	Credit and Non-Credit Instruction
Blue Ridge	27	19.7	63.5
Central Virginia	27	18.1	19.1
Dabney S. Lancaster	25	27.0	27.0
Danville	27	21.7	21.7
Eastern Shore	25	17.0	17.0
Germanna	25	26.4	26.4
J. Sargeant Reynolds	29	26.2	26.2
John Tyler	27	17.5	18.1
Lord Fairfax	27	13.0	21.6
Mountain Empire	27	25.9	25.9
New River	27	27.7	27.7
Northern Virginia	29	18.0	19.7
Patrick Henry	27	21.5	21.5
Paul D. Camp	25	25.0	25.0
Piedmont Virginia	27	21.1	21.1
Rappahannock	25	6.6	6.6
Southside Virginia	27	28.3	28.3
Southwest Virginia	27	31.2	33.4
Thomas Nelson	29	29.9	29.9
Tidewater	29	20.9	32.8
Virginia Highlands	27	17.3	17.3
Virginia Western	29	25.0	25.0
Wytheville	27	23.4	23.4